

Type a plus sign (+) inside this box

PTO/SB/04 (12-97)

Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**SUPPLEMENTAL
DECLARATION FOR UTILITY
OR DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Attorney Docket Number	17965-725
First Named Inventor	Matthew R. Selmon
COMPLETE IF KNOWN	
Application Number	09/149,874
Filing Date	September 8, 1998
Group Art Unit	3731
Examiner Name	Lewis, W.

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS

(Title of the Invention)

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)

09/08/98

as United States Application Number or PCT International

Application Number 09/149,874 and was amended on (MM/DD/YYYY) 03/29/00, 09/23/99, and 11/18/98 (if applicable).

I hereby declare that the subject matter of the attached amendment amendment filed on was part of my or our invention and was invented before the filing date of the original application, above identified for such invention.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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SUPPLEMENTAL DECLARATION — UTILITY OR DESIGN PATENT APPLICATION

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/775,264	2/28/97	5,968,064

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number Registered practitioner(s) name/registration number listed below

Place Customer
Number Bar
Code Label here

OR

Name	Registration Number	Name	Registration Number

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number
or Bar Code Label OR Correspondence address below

Name	Richard L. Gregory, Jr.					
Address	Wilson Sonsini Goodrich & Rosati					
Address	650 Page Mill Road					
City	Palo Alto	State	CA	ZIP	94304	
Country	U.S.	Telephone	650-493-9300	Fax	650-493-6811	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:	<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])				Family Name or Surname				
Matthew R.				Selmon				
Inventor's Signature							Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	99 Walnut Ave.							
Post Office Address								
City	Atherton	State	CA.	ZIP	94027	Country	USA	
<input checked="" type="checkbox"/> Additional inventors are being named on the two (2) supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.								

[Page 2 of 2]

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PTO/SB/02A (3-97)

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>3</u>
--------------------	--	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle (if any))				Family Name or Surname					
Charles F.				Milo					
Inventor's Signature							Date		
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA		
Post Office Address	101 Atherton Avenue								
Post Office Address									
City	Atherton	State	CA.	ZIP	94027	Country	USA		
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle (if any))				Family Name or Surname					
Robert L.				Wynne					
Inventor's Signature							Date		
Residence: City	Pacifica	State	CA.	Country	USA	Citizenship	USA		
Post Office Address	340 Esplanade #19								
Post Office Address									
City	Pacifica	State	CA.	ZIP	94044	Country	USA		
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle (if any))				Family Name or Surname					
Suresh S.				Pai					
Inventor's Signature							Date		
Residence: City	Mountain View	State	CA.	Country	USA	Citizenship	USA		
Post Office Address	156 Holly Court								
Post Office Address									
City	Mountain View	State	CA.	ZIP	94043	Country	USA		

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>3</u>	
--------------------	--	---	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Kent D.		Dell						
Inventor's Signature	<i>Kent D. Dell</i>						Date	2/5/01
Residence: City	Redwood City	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	1131 Grand Street							
Post Office Address								
City	Redwood City	State	CA.	ZIP	94061	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Charles		Gresl						
Inventor's Signature							Date	
Residence: City	San Francisco	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	121 Topaz Way							
Post Office Address								
City	San Francisco	State	CA.	ZIP	94131	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Gerald		Hansen						
Inventor's Signature							Date	
Residence: City	Newark	State	CA	Country	USA	Citizenship	USA	
Post Office Address								
Post Office Address	35208 Preston Place							
City	Newark	State	CA	ZIP	94560	Country	USA	

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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
E. Richard		Hill, III					
Inventor's Signature						Date	
Residence: City	Berkeley	State	CA.	Country	USA	Citizenship	USA
Post Office Address	2430 Oregon Street						
P st Office Address							
City	Berkeley	State	CA.	ZIP	94705	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City		State		Country			
Post Office Address							
P st Office Address							
City		State		ZIP		Country	
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Post Office Address							
P st Office Address							
City		State		ZIP		Country	

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Examiner Name	Lewis, W.

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OR

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	—	<input type="checkbox"/>

[Page 1 of 2]

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08/775,264	2/28/97	5,968,064

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 21971 → Place Customer Number Bar Code Label here

OR

Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number 21971 OR Correspondence address below

Name	Richard L. Gregory, Jr.					
Address	Wilson Sonsini Goodrich & Rosati					
Address	650 Page Mill Road					
City	Palo Alto					
Country	U.S.	Telephone	650-493-9300			Fax 650-493-6811

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Family Name or Surname					
Matthew R.	Selmon					

Inventor's Signature							Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA	

Post Office Address	99 Walnut Ave.							
Post Office Address								

City	Atherton	State	CA.	ZIP	94027	Country	USA
Additional inventors are being named on the two (2) supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

[Page 2 of 2]

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Charles F.			Milo				
Inventor's Signature						Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA
Post Office Address	101 Atherton Avenue						
Post Office Address							
City	Atherton	State	CA.	ZIP	94027	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Robert L.			Wynne				
Inventor's Signature						Date	
Residence: City	Pacifica	State	CA.	Country	USA	Citizenship	USA
Post Office Address	340 Esplanade #19						
Post Office Address							
City	Pacifica	State	CA.	ZIP	94044	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Suresh S.			Pai				
Inventor's Signature						Date	2/6/01
Residence: City	Mountain View	State	CA.	Country	USA	Citizenship	USA
Post Office Address	156 Holly Court						
Post Office Address							
City	Mountain View	State	CA.	ZIP	94043	Country	USA

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DECLARATION				ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>3</u>			
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Kent D.				Dell			
Inventor's Signature					Date		
Residence: City	Redwood City	State	CA.	Country	USA	Citizenship	USA
Post Office Address	1131 Grand Street						
Post Office Address							
City	Redwood City	State	CA.	ZIP	94061	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Charles				Gresl			
Inventor's Signature					Date		
Residence: City	San Francisco	State	CA.	Country	USA	Citizenship	USA
Post Office Address	121 Topaz Way						
Post Office Address							
City	San Francisco	State	CA.	ZIP	94131	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Gerald				Hansen			
Inventor's Signature					Date		
Residence: City	Newark	State	CA	Country	USA	Citizenship	USA
Post Office Address							
Post Office Address	35208 Preston Place						
City	Newark	State	CA	ZIP	94560	Country	USA

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>3</u> of <u>3</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
E. Richard		Hill, III					
Inventor's Signature						Date	
Residence: City	Berkeley	State	CA.	Country	USA	Citizenship	USA
Post Office Address	2430 Oregon Street						
Post Office Address							
City	Berkeley	State	CA.	ZIP	94705	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City		State		Country			
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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Application Number	09/149,874
Filing Date	September 8, 1998
Group Art Unit	3731
Examiner Name	Lewis, W.

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(Title of the Invention)

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Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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SUPPLEMENTAL DECLARATION — UTILITY OR DESIGN PATENT APPLICATION

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/775,264	2/28/97	5,968,064

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 21971 → Place Customer Number Bar Code Label here

OR

Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number 21971 OR Correspondence address below

Name	Richard L. Gregory, Jr.						
Address	Wilson Sonsini Goodrich & Rosati						
Address	650 Page Mill Road						
City	Palo Alto	State	CA	ZIP	94304		
Country	U.S.	Telephone	650-493-9300	Fax	650-493-6811		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: A petition has been filed for this unsigned Inventor

Given Name (first and middle [if any])

Family Name or Surname

Matthew R.

Selmon

Inventor's Signature							Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	99 Walnut Ave.							
Post Office Address								
City	Atherton	Stat	CA.	ZIP	94027	Country	USA	

Additional inventors are being named in the two (2) supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

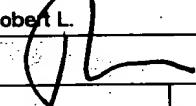
[Page 2 of 2]

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PTO/SB/02A (3-97)
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>3</u>
--------------------	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])			Family Name or Surname					
Charles F.			Milo					
Inventor's Signature							Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	101 Atherton Avenue							
Post Office Address								
City	Atherton	State	CA.	ZIP	94027	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])			Family Name or Surname					
Robert L.			Wynne					
Inventor's Signature							Date	5 FEB 2001
Residence: City	Pacifica	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	340 Esplanade #19							
Post Office Address								
City	Pacifica	State	CA.	ZIP	94044	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])			Family Name or Surname					
Suresh S.			Pai					
Inventor's Signature							Date	
Residence: City	Mountain View	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	156 Holly Court							
Post Office Address								
City	Mountain View	State	CA.	ZIP	94043	Country	USA	

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/02A (3-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 2 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))			Family Name or Surname				
Kent D.			Dell				
Inventor's Signature						Date	
Residence: City	Redwood City	State	CA.	Country	USA	Citizenship	USA
Post Office Address	1131 Grand Street						
Post Office Address							
City	Redwood City	State	CA.	ZIP	94061	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))			Family Name or Surname				
Charles			Gresl				
Inventor's Signature						Date	
Residence: City	San Francisco	State	CA.	Country	USA	Citizenship	USA
Post Office Address	121 Topaz Way						
Post Office Address							
City	San Francisco	State	CA.	ZIP	94131	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))			Family Name or Surname				
Gerald			Hansen				
Inventor's Signature						Date	
Residence: City	Newark	State	CA	Country	USA	Citizenship	USA
Post Office Address							
Post Office Address	35208 Preston Place						
City	Newark	State	CA	ZIP	94560	Country	USA

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>3</u> of <u>3</u>			
--------------------	--	---	--	--	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
E. Richard			Hill, III				
Inventor's Signature						Date	
Residence: City	Berkeley	State	CA.	Country	USA	Citizenship	USA
Post Office Address	2430 Oregon Street						
Post Office Address							
City	Berkeley	State	CA.	ZIP	94705	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Inventor's Signature						Date	
Residence: City		State		Country			
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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**SUPPLEMENTAL
DECLARATION FOR UTILITY
OR DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Attorney Docket Number	17965-725
First Named Inventor	Matthew R. Selmon
<i>COMPLETE IF KNOWN</i>	
Application Number	09/149,874
Filing Date	September 8, 1998
Group Art Unit	3731
Examiner Name	Lewis, W.

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS

(Title of the Invention)

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)

09/08/98

as United States Application Number or PCT International

Application Number 09/149,874 and was amended on (MM/DD/YYYY) 03/29/00, 09/23/99, and 11/18/98 (if applicable).

I hereby declare that the subject matter of the attached amendment amendment filed on was part of my or our invention and was invented before the filing date of the original application, above identified for such invention.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/775,264	2/28/97	5,968,064

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number

OR

Registered practitioner(s) name/registration number listed below

Place Customer
Number Bar
Code Label here:

Name	Registration Number	Name	Registration Number

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number OR Correspondence address below

Name	Richard L. Gregory, Jr.				
Address	Wilson Sonsini Goodrich & Rosati				
Address	650 Page Mill Road				
City	Palo Alto	State	CA	ZIP	94304
Country	U.S.	Telephone	650-493-9300	Fax	650-493-6811

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
---------------------------------	---

Given Name (first and middle [if any])	Family Name or Surname
--	------------------------

Matthew R.	Selmon
------------	--------

Inventor's Signature						Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA
Post Office Address	99 Walnut Ave.						
Post Office Address							
City	Atherton	State	CA.	ZIP	94027	Country	USA

Additional inventors are being named on the two (2) supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

[Page 2 of 2]

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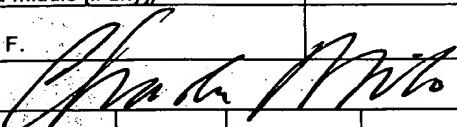
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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Charles F.		Milo						
Inventor's Signature							Date	2/6/2001
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	101 Atherton Avenue							
Post Office Address								
City	Atherton	State	CA.	ZIP	94027	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Robert L.		Wynne						
Inventor's Signature							Date	
Residence: City	Pacifica	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	340 Esplanade #19							
Post Office Address								
City	Pacifica	State	CA.	ZIP	94044	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Suresh S.		Pal						
Inventor's Signature							Date	
Residence: City	Mountain View	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	156 Holly Court							
Post Office Address								
City	Mountain View	State	CA.	ZIP	94043	Country	USA	

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>3</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Kent D.		Dell						
Inventor's Signature							Date	
Residence: City	Redwood City	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	1131 Grand Street							
Post Office Address								
City	Redwood City	State	CA.	ZIP	94061	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Charles		Gresl						
Inventor's Signature							Date	
Residence: City	San Francisco	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	121 Topaz Way							
Post Office Address								
City	San Francisco	State	CA.	ZIP	94131	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Gerald		Hansen						
Inventor's Signature							Date	
Residence: City	Newark	State	CA	Country	USA	Citizenship	USA	
Post Office Address								
Post Office Address	35208 Preston Place							
City	Newark	State	CA	ZIP	94560	Country	USA	

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>3</u> of <u>3</u>	
--------------------	--	---	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
E. Richard		Hill, III					
Inventor's Signature						Date	
Residence: City	Berkeley	State	CA.	Country	USA	Citizenship	USA
Post Office Address	2430 Oregon Street						
Post Office Address							
City	Berkeley	State	CA.	ZIP	94705	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City		State		Country			
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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PTO/SB/04 (12-97)

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**SUPPLEMENTAL
DECLARATION FOR UTILITY
OR DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Attorney Docket Number	17965-725
First Named Inventor	Matthew R. Selmon
COMPLETE IF KNOWN	
Application Number	09/149,874
Filing Date	September 8, 1998
Group Art Unit	3731
Examiner Name	Lewis, W.

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS

(Title of the Invention)

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)

09/08/98

as United States Application Number or PCT International

Application Number 09/149,874 and was amended on (MM/DD/YYYY) 03/29/00, 09/23/99, and 11/18/98 (if applicable).

I hereby declare that the subject matter of the attached amendment amendment filed on was part of my or our invention and was invented before the filing date of the original application, above identified for such invention.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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Type a plus sign (+) inside this box

→ +

PTO/SB/04 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/775,264	2/28/97	5,968,064

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number → Place Customer Number Bar Code Label here

OR

Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number OR Correspondence address below

Name	Richard L. Gregory, Jr.				
Address	Wilson Sonsini Goodrich & Rosati				
Address	650 Page Mill Road				
City	Palo Alto	State	CA	ZIP	94304
Country	U.S.	Telephone	650-493-9300	Fax	650-493-6811

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:	<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle if any)				Family Name or Surname			
Matthew R.				Selmon			
Inventor's Signature						Date	2/15/01
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA
Post Office Address	99 Walnut Ave.						
Post Office Address							
City	Atherton	State	CA.	ZIP	94027	Country	USA
<input checked="" type="checkbox"/> Additional inventors are being named on the two (2) supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

[Page 2 of 2]

Please type a plus sign (+) inside this box

→ +

PTO/SB/02A (3-97)

Approved for use through 9/30/98. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>3</u>					
--------------------	--	---	--	--	--	--	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Charles F.		Milo					
Inventor's Signature						Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA
Post Office Address	101 Atherton Avenue						
Post Office Address							
City	Atherton	State	CA.	ZIP	94027	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Robert L.		Wynne					
Inventor's Signature						Date	
Residence: City	Pacifica	State	CA.	Country	USA	Citizenship	USA
Post Office Address	340 Esplanade #19						
Post Office Address							
City	Pacifica	State	CA.	ZIP	94044	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Suresh S.		Pai					
Inventor's Signature						Date	
Residence: City	Mountain View	State	CA.	Country	USA	Citizenship	USA
Post Office Address	156 Holly Court						
Post Office Address							
City	Mountain View	State	CA.	ZIP	94043	Country	USA

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/02A (3-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>3</u>
--------------------	--	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Kent D.			Dell				
Inventor's Signature						Date	
Residence: City	Redwood City	State	CA.	Country	USA	Citizenship	USA
Post Office Address	1131 Grand Street						
Post Office Address							
City	Redwood City	State	CA.	ZIP	94061	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Charles			Gresl				
Inventor's Signature						Date	
Residence: City	San Francisco	State	CA.	Country	USA	Citizenship	USA
Post Office Address	121 Topaz Way						
Post Office Address							
City	San Francisco	State	CA.	ZIP	94131	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Gerald			Hansen				
Inventor's Signature						Date	
Residence: City	Newark	State	CA	Country	USA	Citizenship	USA
Post Office Address							
Post Office Address	35208 Preston Place						
City	Newark	State	CA	ZIP	94560	Country	USA

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Please type a plus sign (+) inside this box → +

PTO/SB/02A (3-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
E. Richard			Hill, III				
Inventor's Signature						Date	
Residence: City	Berkeley	State	CA.	Country	USA	Citizenship	USA
Post Office Address	2430 Oregon Street						
Post Office Address							
City	Berkeley	State	CA.	ZIP	94705	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Inventor's Signature						Date	
Residence: City		State		Country			
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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Type a plus sign (+) inside this box



PTO/SB/04 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**SUPPLEMENTAL
DECLARATION FOR UTILITY
OR DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Attorney Docket Number	17965-725
First Named Inventor	Matthew R. Selmon
<i>COMPLETE IF KNOWN</i>	
Application Number	09/149,874
Filing Date	September 8, 1998
Group Art Unit	3731
Examiner Name	Lewis, W.

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS

(Title of the Invention)

the specification of which
 is attached hereto
OR

was filed on (MM/DD/YYYY) 09/08/98

as United States Application Number or PCT International

Application Number 09/149,874 and was amended on (MM/DD/YYYY) 03/29/00, 09/23/99, and 11/18/98 (if applicable).

I hereby declare that the subject matter of the attached amendment amendment filed on was part of my or our invention and was invented before the filing date of the original application, above identified for such invention.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
		<input type="checkbox"/>

[Page 1 of 2]

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PTO/SB/04 (12-97)

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SUPPLEMENTAL DECLARATION — UTILITY OR DESIGN PATENT APPLICATION

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/775,264	2/28/97	5,968,064

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 21971 

Place Customer
Number Bar
Code Label here

OR

Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number 21971 OR Correspondence address below

Name Richard L. Gregory, Jr.

Address Wilson Sonsini Goodrich & Rosati

Address 650 Page Mill Road

City Palo Alto State CA ZIP 94304

Country U.S. Telephone 650-493-9300 Fax 650-493-6811

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

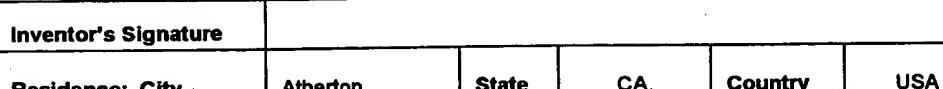
Name of Sole or First Inventor: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Matthew R.

Selmon

Inventor's Signature  Date 

Residence: City Atherton State CA Country USA Citizenship USA

Post Office Address 99 Walnut Ave.

P st Office Address

City Atherton State CA ZIP 94027 Country USA

Additional inventors are being named on the two (2) supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached heret .

Please type a plus sign (+) inside this box

+

PTO/SB/02A (3-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Charles F.			Milo				
Inventor's Signature						Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA
Post Office Address	101 Atherton Avenue						
Post Office Address							
City	Atherton	State	CA.	ZIP	94027	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Robert L.			Wynne				
Inventor's Signature						Date	
Residence: City	Pacifica	State	CA.	Country	USA	Citizenship	USA
Post Office Address	340 Esplanade #19						
Post Office Address							
City	Pacifica	State	CA.	ZIP	94044	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Suresh S.			Pai				
Inventor's Signature						Date	
Residence: City	Mountain View	State	CA.	Country	USA	Citizenship	USA
Post Office Address	156 Holly Court						
Post Office Address							
City	Mountain View	State	CA.	ZIP	94043	Country	USA

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



PTO/SB/02A (3-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 2 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))			Family Name or Surname				
Kent D.			Dell				
Inventor's Signature						Date	
Residence: City	Redwood City	State	CA.	Country	USA	Citizenship	USA
Post Office Address	1131 Grand Street						
Post Office Address							
City	Redwood City	State	CA.	ZIP	94061	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))			Family Name or Surname				
Charles			Gresl				
Inventor's Signature						Date	2.6.01
Residence: City	San Francisco	State	CA.	Country	USA	Citizenship	USA
Post Office Address	121 Topaz Way						
Post Office Address							
City	San Francisco	State	CA.	ZIP	94131	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))			Family Name or Surname				
Gerald			Hansen				
Inventor's Signature						Date	
Residence: City	Newark	State	CA	Country	USA	Citizenship	USA
Post Office Address							
Post Office Address	35208 Preston Place						
City	Newark	State	CA	ZIP	94560	Country	USA

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Please type a plus sign (+) inside this box → +

PTO/SB/02A (3-97)

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>3</u> of <u>3</u>
--------------------	--	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
E. Richard		Hill, III					
Inventor's Signature						Date	
Residence: City	Berkeley	State	CA.	Country	USA	Citizenship	USA
Post Office Address	2430 Oregon Street						
Post Office Address							
City	Berkeley	State	CA.	ZIP	94705	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City		State		Country			
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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Type a plus sign (+) inside this box



PTO/SB/04 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**SUPPLEMENTAL
DECLARATION FOR UTILITY
OR DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Attorney Docket Number	17965-725
First Named Inventor	Matthew R. Selmon <i>COMPLETE IF KNOWN</i>
Application Number	09/149,874
Filing Date	September 8, 1998
Group Art Unit	3731
Examiner Name	Lewis, W.

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS

(Title of the Invention)

the specification of which
 is attached hereto

OR

was filed on (MM/DD/YYYY)

09/08/98

as United States Application Number or PCT International

Application Number 09/149,874 and was amended on (MM/DD/YYYY) 03/29/00, 09/23/99, and 11/18/98 (if applicable).

I hereby declare that the subject matter of the attached amendment amendment filed on was part of my or our invention and was invented before the filing date of the original application, above identified for such invention.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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Type a plus sign (+) inside this box

PTO/SB/04 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/775,264	2/28/97	5,968,064

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 21971 → Place Customer Number Bar Code Label here

OR

Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number 21971 OR Correspondence address below

Name	Richard L. Gregory, Jr.						
Address	Wilson Sonsini Goodrich & Rosati						
Address	650 Page Mill Road						
City	Palo Alto			State	CA	ZIP	94304
Country	U.S.	Telephone	650-493-9300			Fax	650-493-6811

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:	<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])				Family Name or Surname				
Matthew R.				Selmon				
Inventor's Signature							Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA	
P st Office Address	99 Walnut Ave.							
P st Offic Address								
City	Atherton	Stat	CA.	ZIP	94027	Country	USA	
<input checked="" type="checkbox"/> Additional inventors are being named on the tw (2) supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.								

[Page 2 of 2]

Please type a plus sign (+) inside this box



PTO/SB/02A (3-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>3</u>					
--------------------	--	---	--	--	--	--	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
Charles F.				Milo				
Inventor's Signature							Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	101 Atherton Avenue							
P st Office Address								
City	Atherton	State	CA.	ZIP	94027	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
Robert L.				Wynne				
Inventor's Signature							Date	
Residence: City	Pacifica	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	340 Esplanade #19							
P st Office Address								
City	Pacifica	State	CA.	ZIP	94044	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])				Family Name or Surname				
Suresh S.				Pal				
Inventor's Signature							Date	
Residence: City	Mountain View	State	CA.	Country	USA	Citizenship	USA	
P st Office Address	156 Holly Court							
Post Office Address								
City	Mountain View	State	CA.	ZIP	94043	Country	USA	

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+

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>3</u>	
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Kent D.		Dell						
Inventor's Signature							Date	
Residence: City	Redwood City	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	1131 Grand Street							
Post Office Address								
City	Redwood City	State	CA.	ZIP	94061	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Charles		Gresl						
Inventor's Signature							Date	
Residence: City	San Francisco	State	CA.	Country	USA	Citizenship	USA	
Post Office Address	121 Topaz Way							
Post Office Address								
City	San Francisco	State	CA.	ZIP	94131	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])		Family Name or Surname						
Gerald		Hansen						
Inventor's Signature							Date	02-05-01
Residence: City	Newark	State	CA	Country	USA	Citizenship	USA	
Post Office Address								
Post Office Address	35208 Preston Place							
City	Newark	State	CA	ZIP	94560	Country	USA	

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>3</u> of <u>3</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
E. Richard			Hill, III				
Inventor's Signature						Date	
Residence: City	Berkeley	State	CA.	Country	USA	Citizenship	USA
Post Office Address	2430 Oregon Street						
Post Office Address							
City	Berkeley	State	CA.	ZIP	94705	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Inventor's Signature						Date	
Residence: City		State		Country			
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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**SUPPLEMENTAL
DECLARATION FOR UTILITY
OR DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Attorney Docket Number	17965-725
First Named Inventor	Matthew R. Selmon
<i>COMPLETE IF KNOWN</i>	
Application Number	09/149,874
Filing Date	September 8, 1998
Group Art Unit	3731
Examiner Name	Lewis, W.

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS

(Title of the Invention)

the specification of which
 is attached hereto

OR

was filed on (MM/DD/YYYY)

09/08/98

as United States Application Number or PCT International

Application Number 09/149,874 and was amended on (MM/DD/YYYY) 03/29/00, 09/23/99, and 11/18/98 (if applicable).

I hereby declare that the subject matter of the attached amendment amendment filed on was part of my or our invention and was invented before the filing date of the original application, above identified for such invention.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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SUPPLEMENTAL DECLARATION — UTILITY OR DESIGN PATENT APPLICATION

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/775,264	2/28/97	5,968,064

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 21971 → Place Customer Number Bar Code Label here

OR

Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: Customer Number 21971 OR Correspondence address below

Name	Richard L. Gregory, Jr.					
Address	Wilson Sonsini Goodrich & Rosati					
Address	650 Page Mill Road					
City	Palo Alto	State	CA	ZIP	94304	
Country	U.S.	Telephone	650-493-9300	Fax	650-493-6811	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:	<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle if any)			Family Name or Surname				
Matthew R.			Selmon				
Inventor's Signature						Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA
Post Office Address	99 Walnut Ave.						
Post Office Address							
City	Atherton	State	CA.	ZIP	94027	Country	USA
<input checked="" type="checkbox"/> Additional inventors are being named on the two (2) supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

[Page 2 of 2]

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>3</u>	
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Charles F.		Milo					
Inventor's Signature						Date	
Residence: City	Atherton	State	CA.	Country	USA	Citizenship	USA
Post Office Address	101 Atherton Avenue						
Post Office Address							
City	Atherton	State	CA.	ZIP	94027	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Robert L.		Wynne					
Inventor's Signature						Date	
Residence: City	Pacifica	State	CA.	Country	USA	Citizenship	USA
Post Office Address	340 Esplanade #19						
Post Office Address							
City	Pacifica	State	CA.	ZIP	94044	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Suresh S.		Pal					
Inventor's Signature						Date	
Residence: City	Mountain View	State	CA.	Country	USA	Citizenship	USA
Post Office Address	156 Holly Court						
Post Office Address							
City	Mountain View	State	CA.	ZIP	94043	Country	USA

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>3</u>	
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Kent D.		Dell					
Inventor's Signature						Date	
Residence: City	Redwood City	State	CA.	Country	USA	Citizenship	USA
Post Office Address	1131 Grand Street						
Post Office Address							
City	Redwood City	State	CA.	ZIP	94061	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Charles		Gresl					
Inventor's Signature						Date	
Residence: City	San Francisco	State	CA.	Country	USA	Citizenship	USA
Post Office Address	121 Topaz Way						
Post Office Address							
City	San Francisco	State	CA.	ZIP	94131	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Gerald		Hansen					
Inventor's Signature						Date	
Residence: City	Newark	State	CA	Country	USA	Citizenship	USA
Post Office Address							
Post Office Address	35208 Preston Place						
City	Newark	State	CA	ZIP	94560	Country	USA

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>3</u> of <u>3</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
E. Richard			Hill, III				
Inventor's Signature	<i>E. Richard Hill</i>					Date	<i>7/31/2009</i>
Residence: City	Berkeley	State	CA.	Country	USA	Citizenship	USA
Post Office Address	2430 Oregon Street						
Post Office Address							
City	Berkeley	State	CA.	ZIP	94705	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Inventor's Signature						Date	
Residence: City		State		Country			
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])			Family Name or Surname				
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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